

FIG. 1

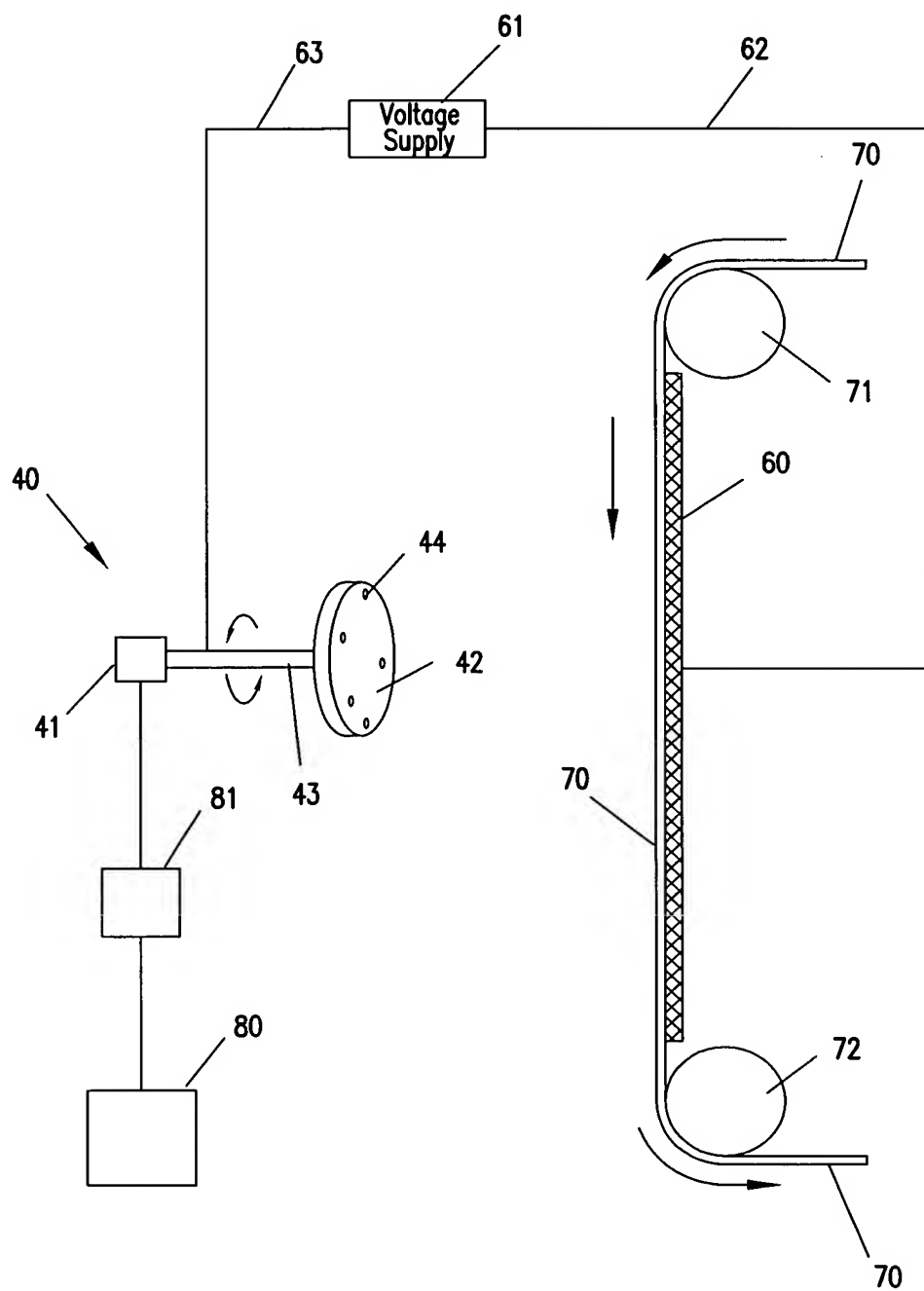


FIG. 2

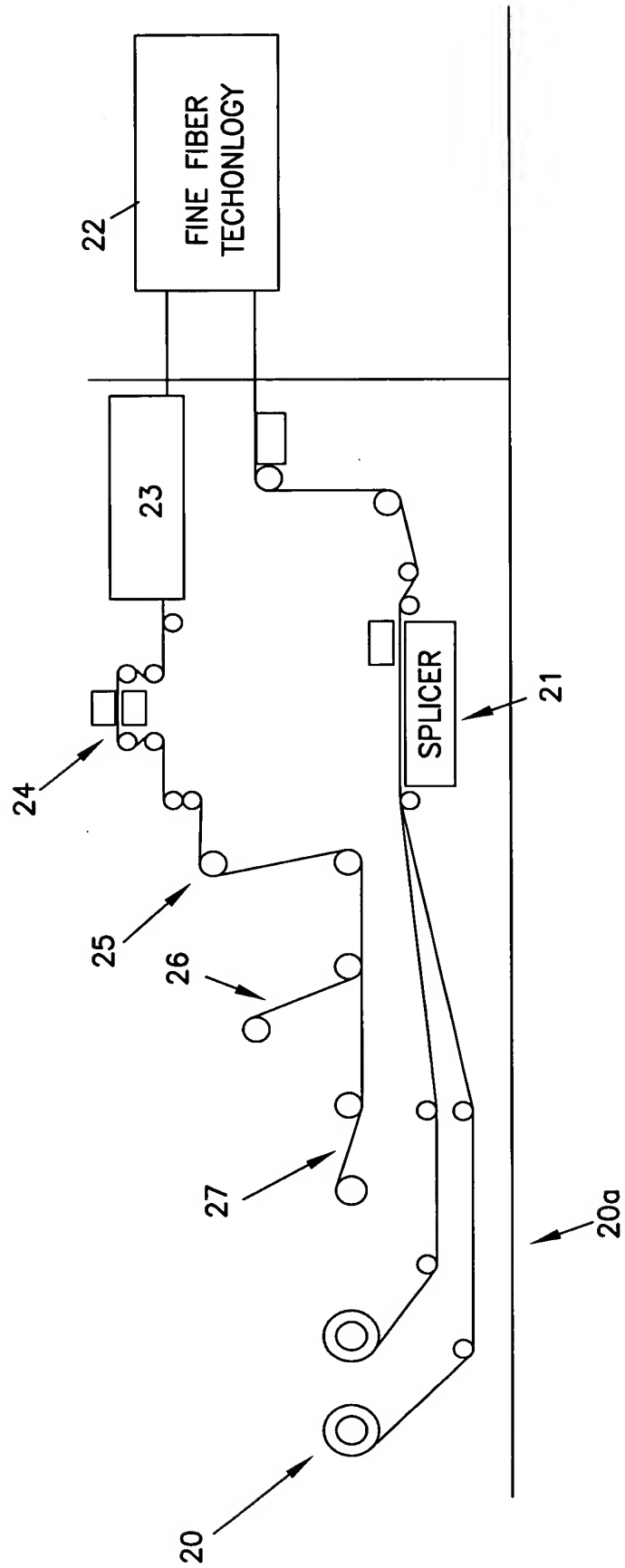
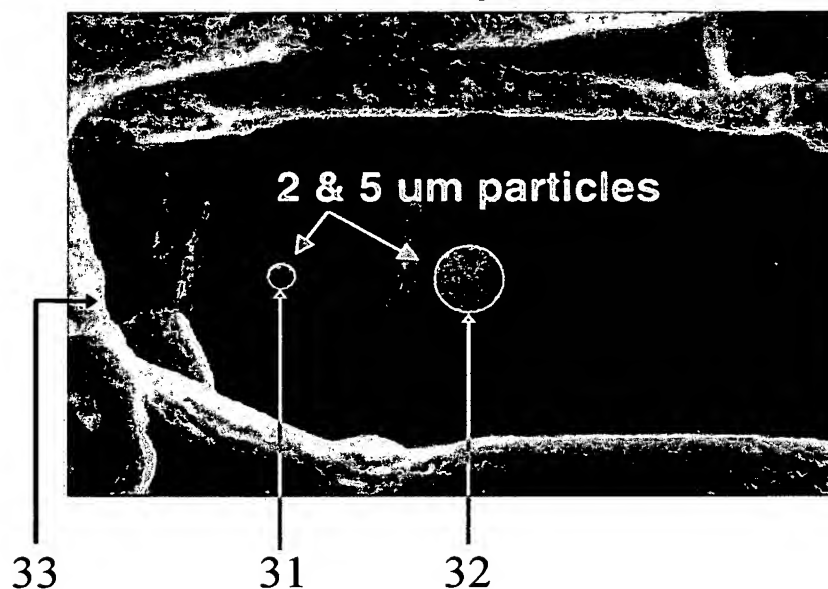


FIG. 3A Cellulose Media



2,000 X Scanning Electron Microscope Images

FIG. 3B Ultra-Web

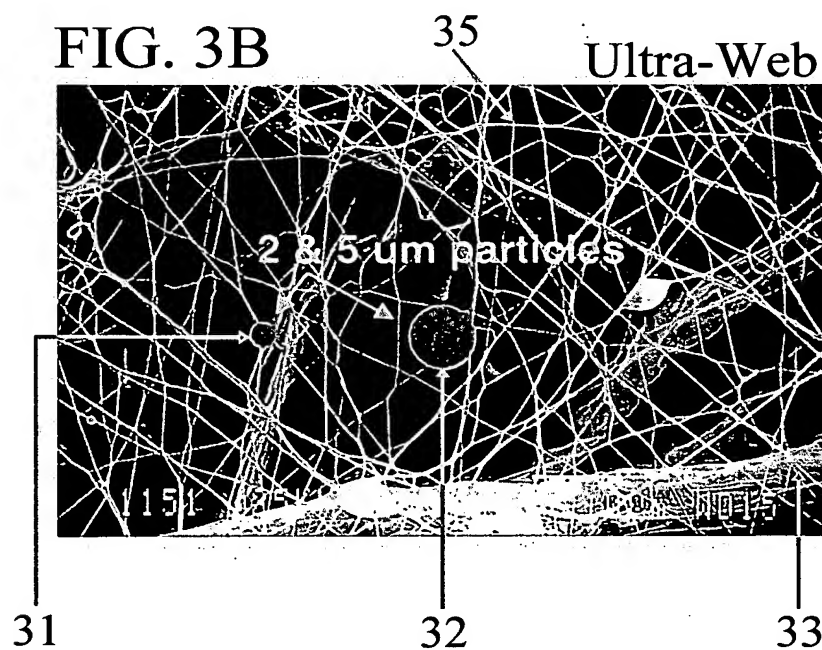
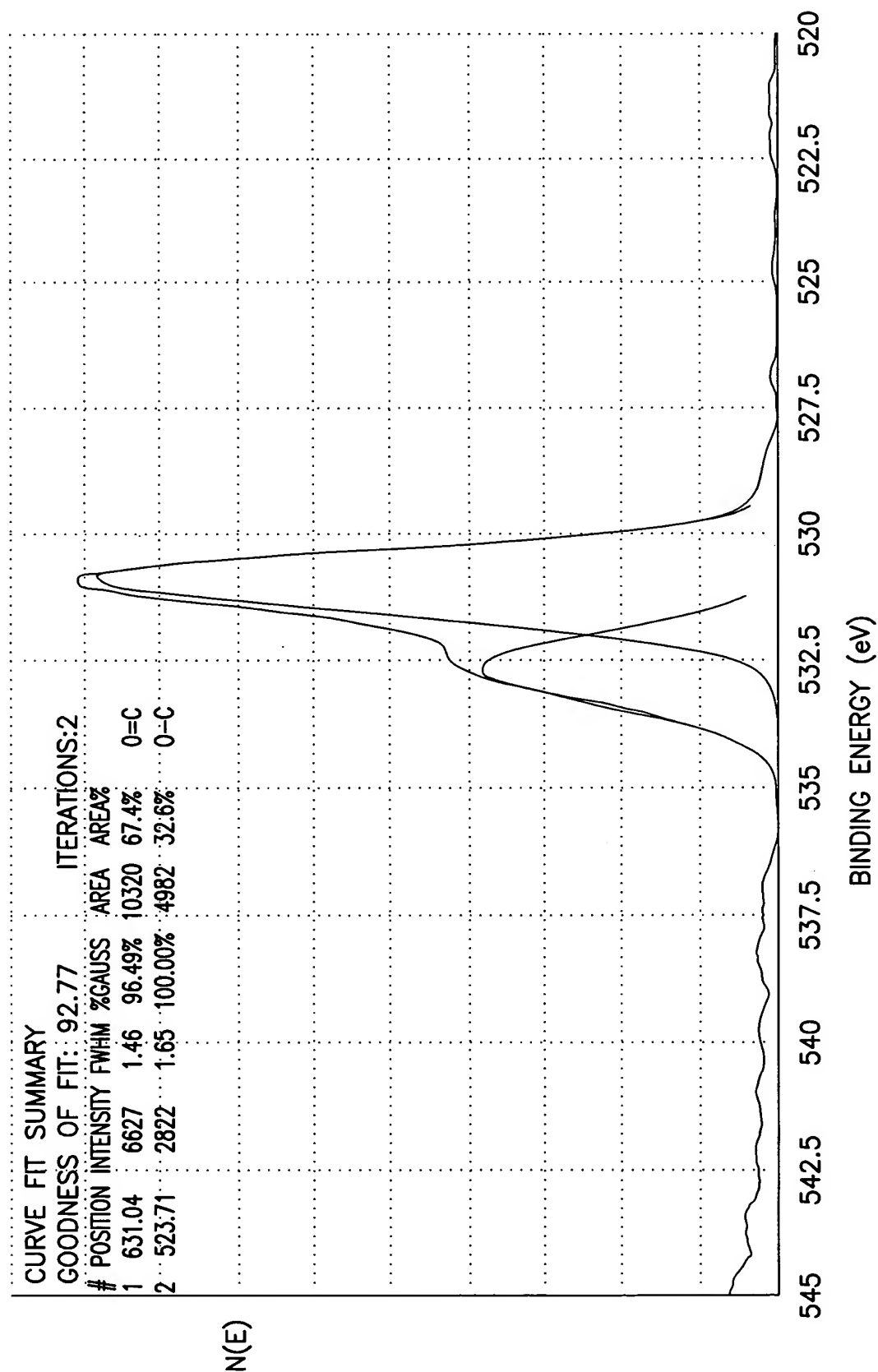


FIG. 4

ESCA O1s SPECTRA FOR SAMPLE 6A AS SPAN



ESCA O1s SPECTRA FOR HEAT-TREATED SAMPLE 6A

FIG. 5

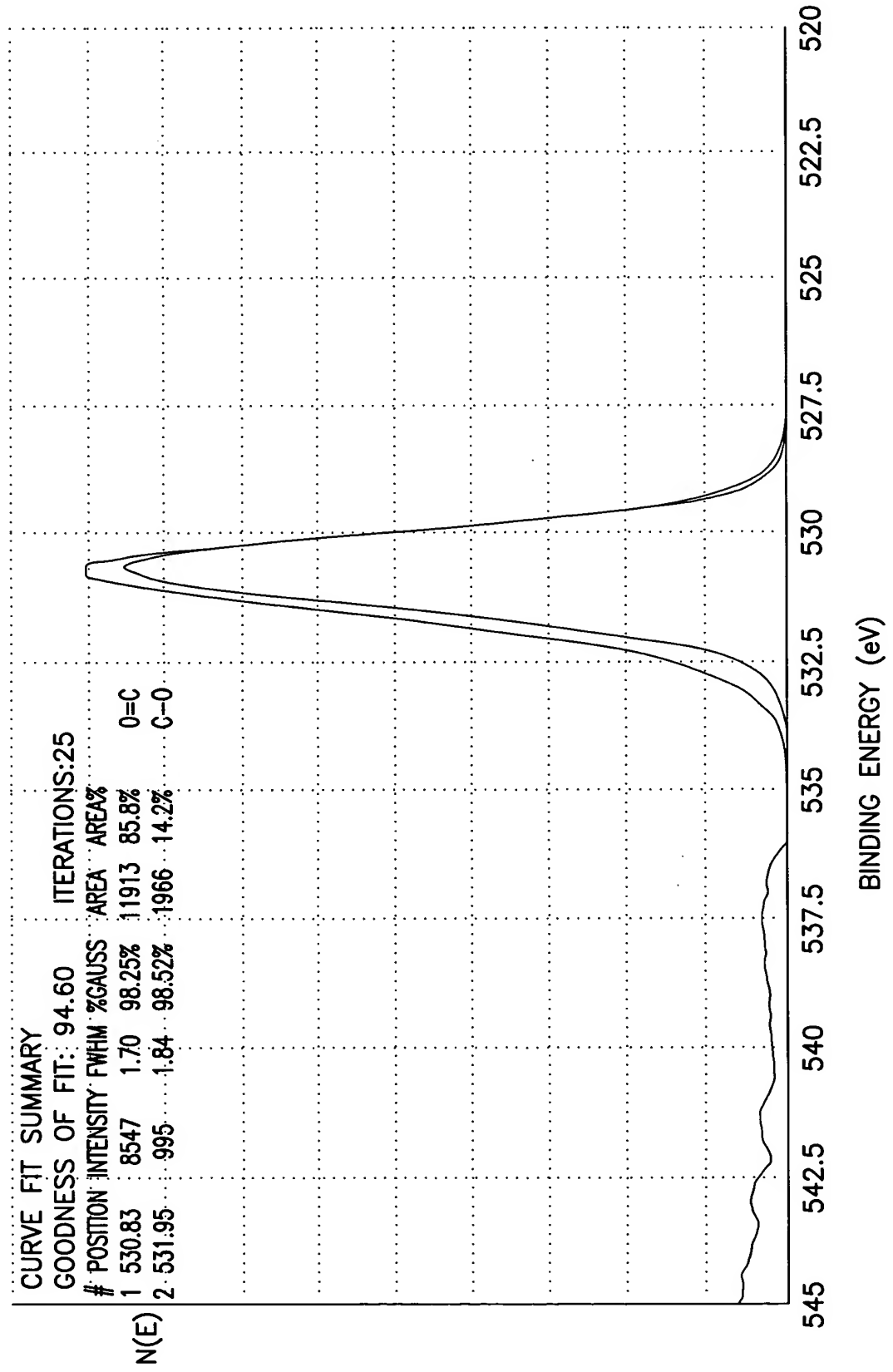
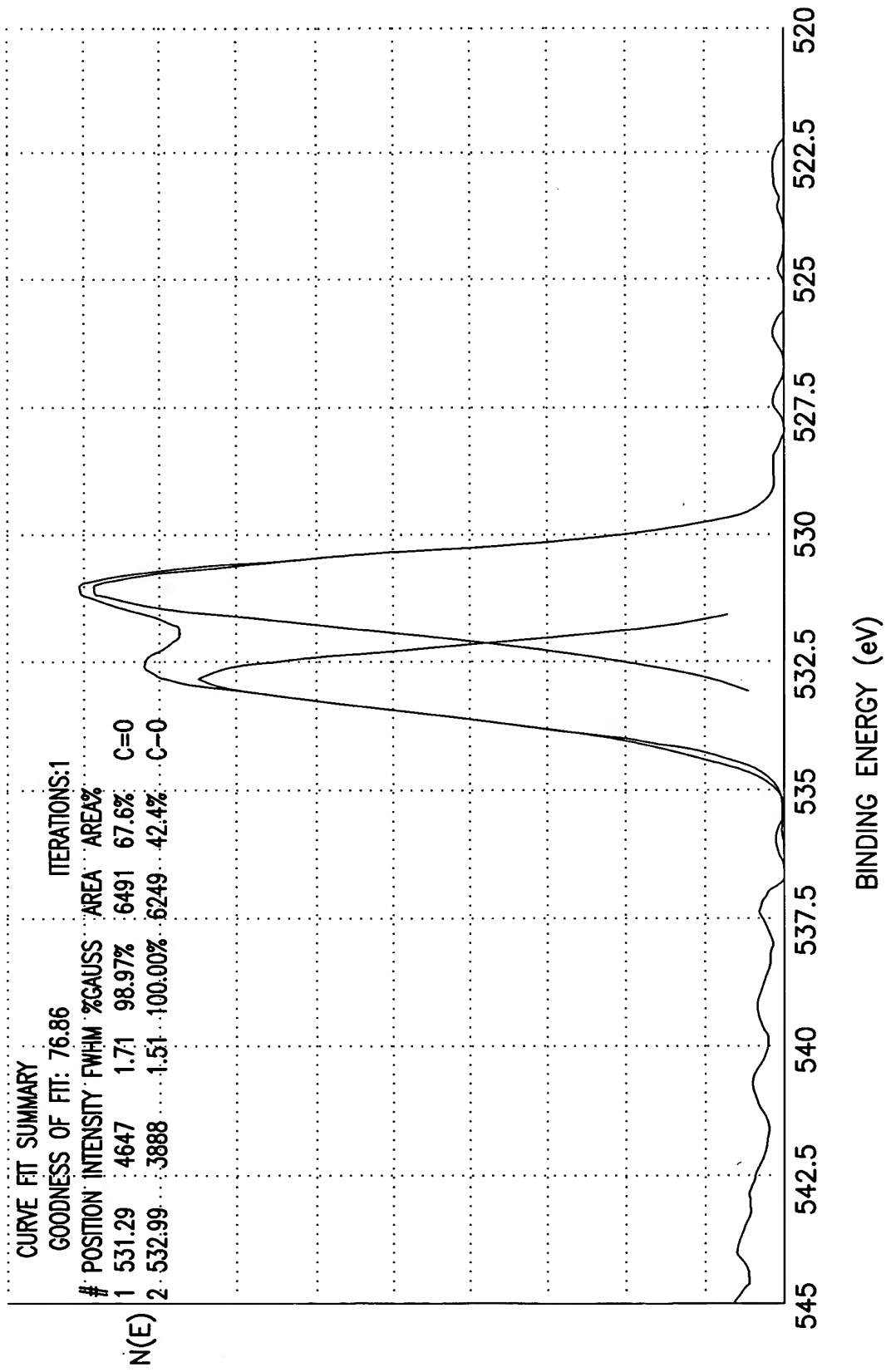


FIG. 6

ESCA O1s SPECTRA FOR AS-SPAN EXAMPLE 6B



ESCA O1s SPECTRA FOR HEAT-TREATED EXAMPLE 6B

FIG. 7

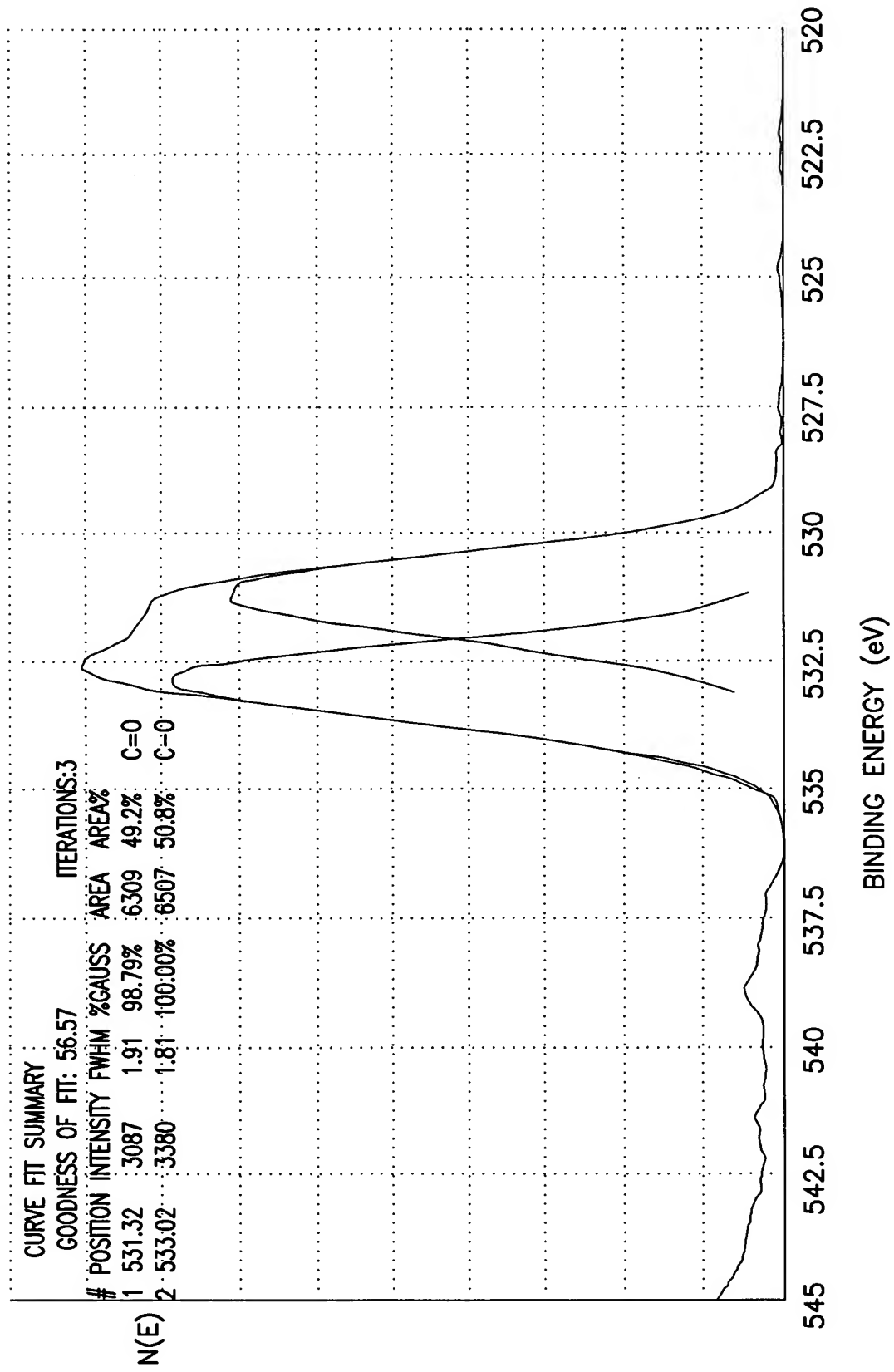


FIG. 8 ESCA 01s MULTIPLEX FOR AS-SPUN SAMPLE 6A

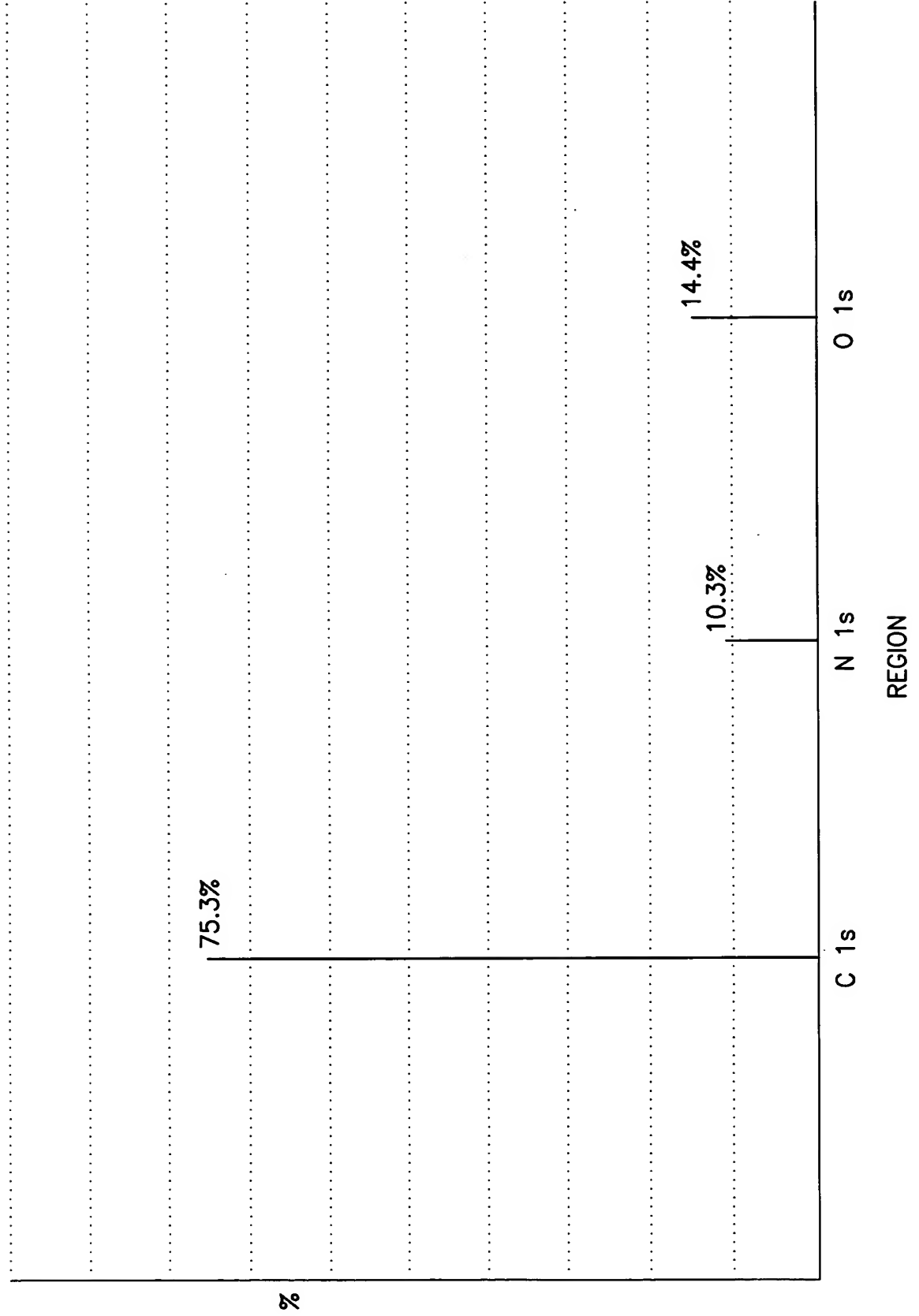


FIG. 9

ESCA 01s MULTIPLEX FOR HEAT TREATED SAMPLE 6A

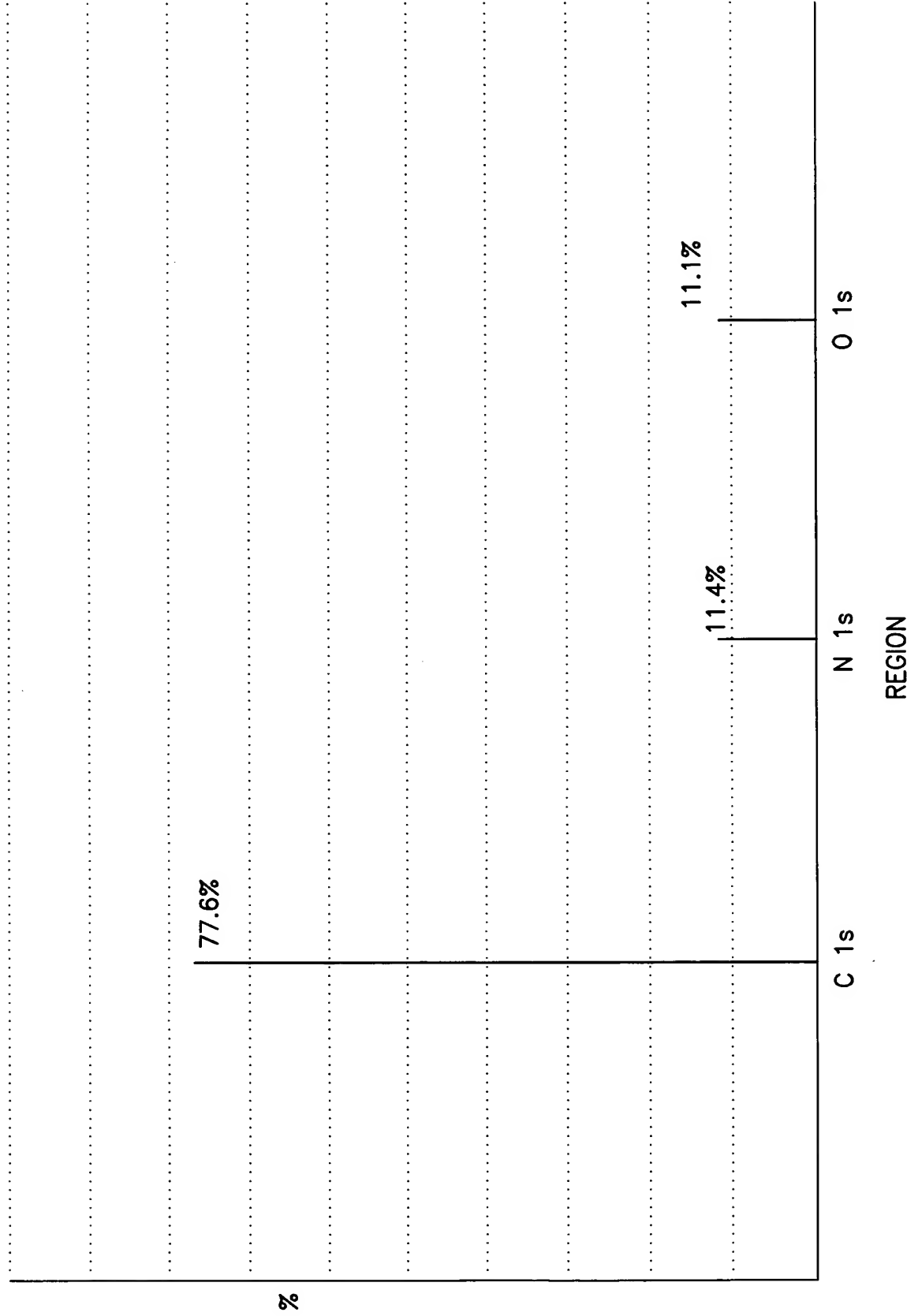


FIG. 10 ESCA 01s MULTIPLEX FOR AS-SPIN SAMPLE 6B

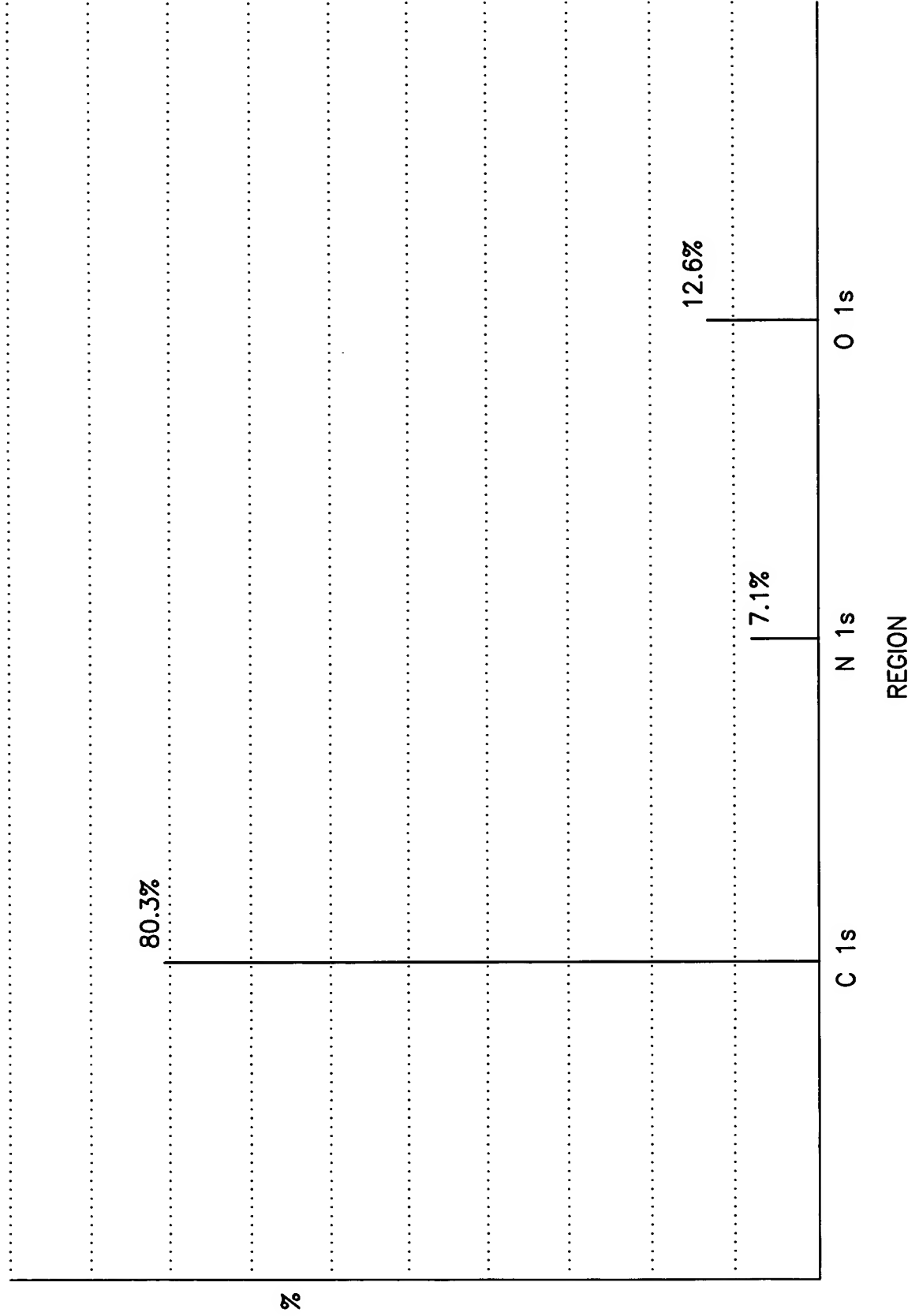


FIG. 11

ESCA 01s MULTIPLEX FOR HEAT-TREATED SAMPLE 6B

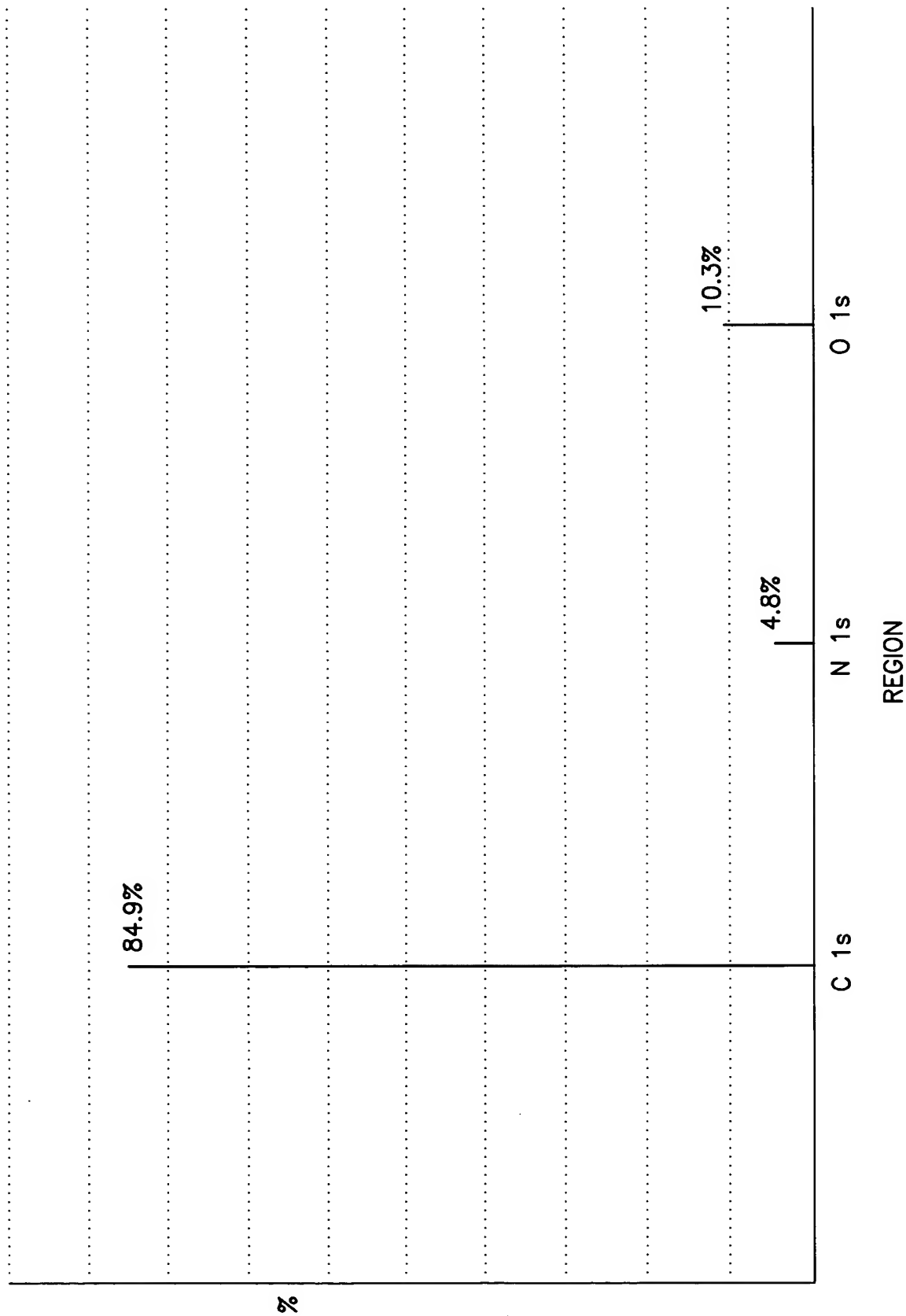


FIG. 12

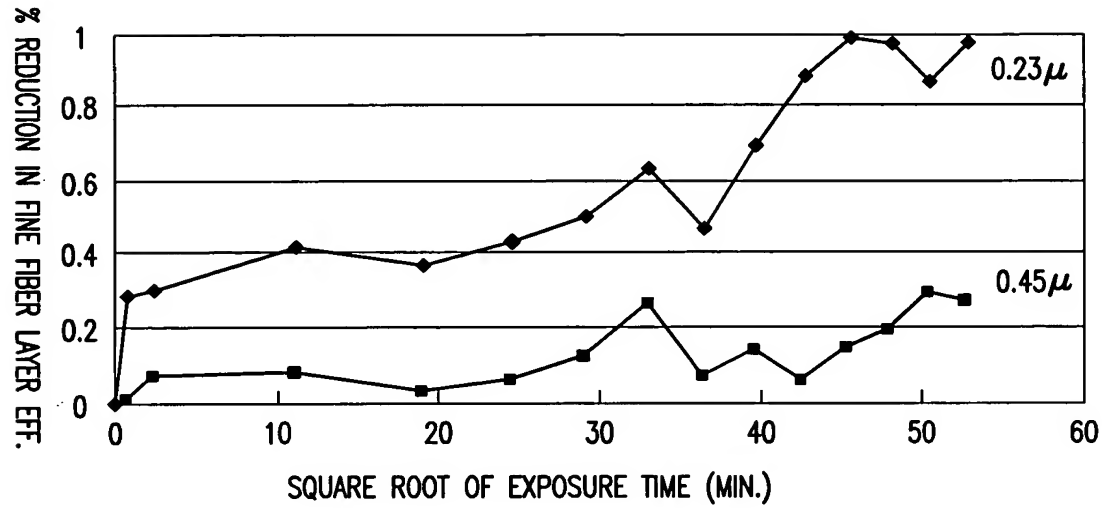


FIG. 13

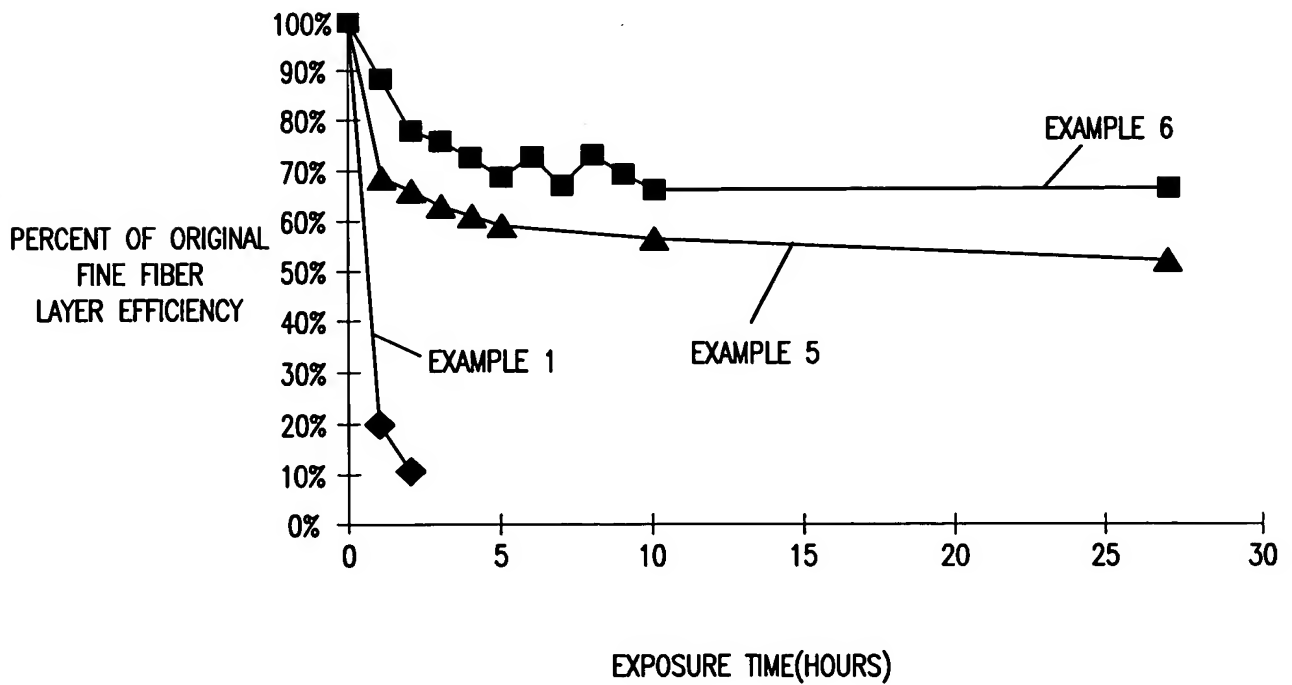


FIG. 14

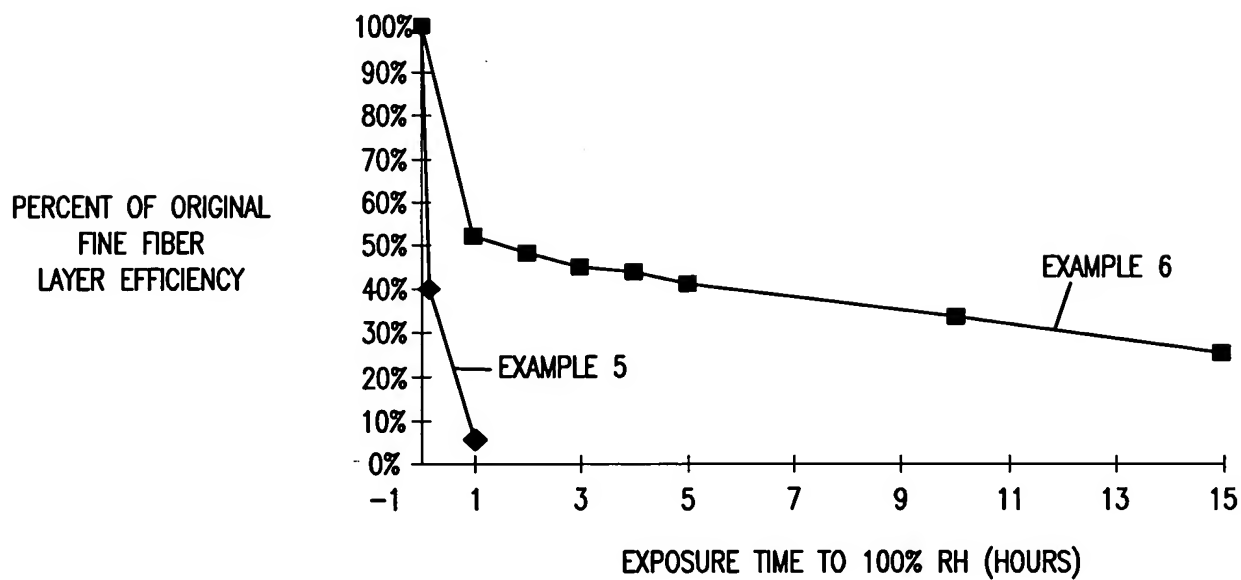


FIG. 15

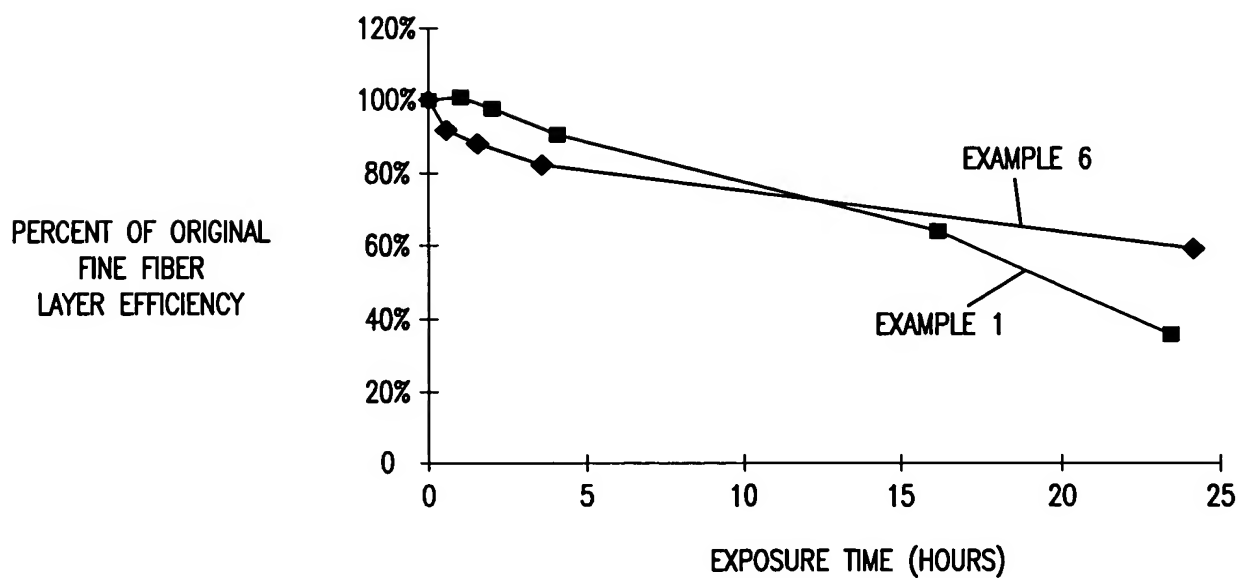
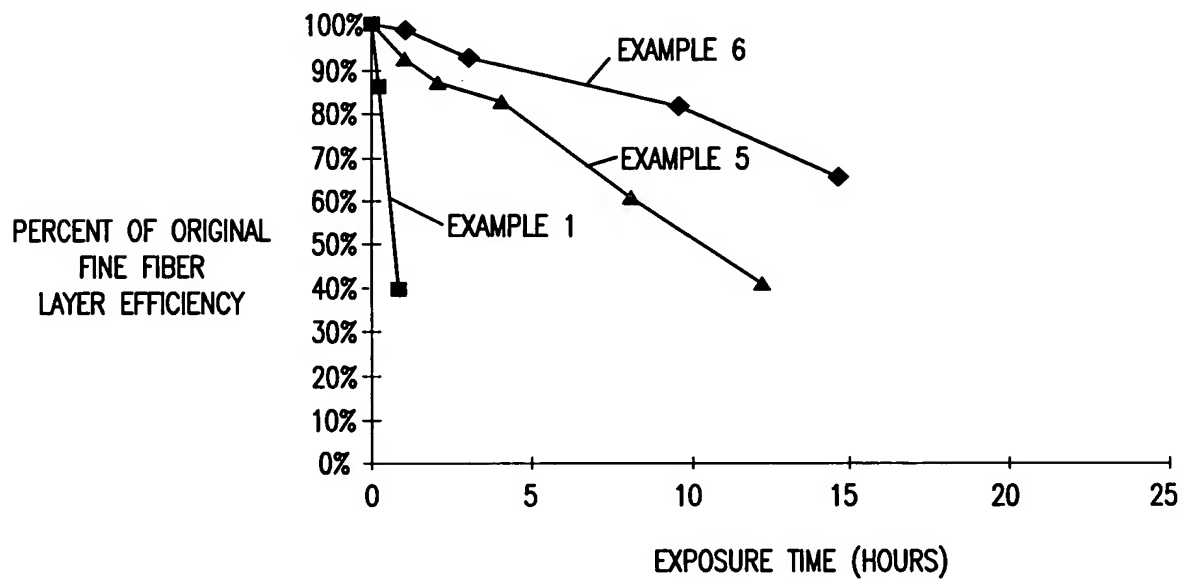
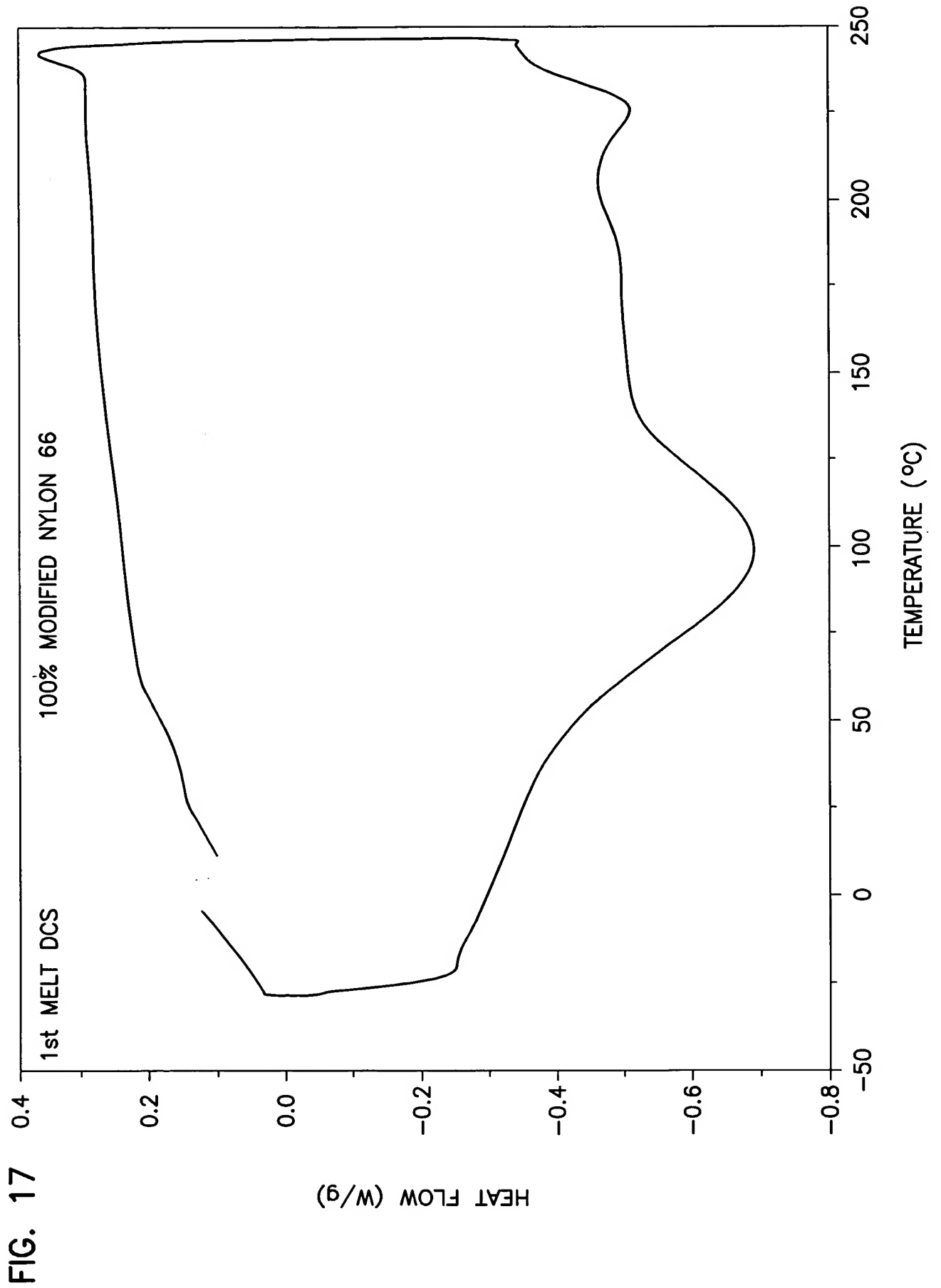


FIG. 16





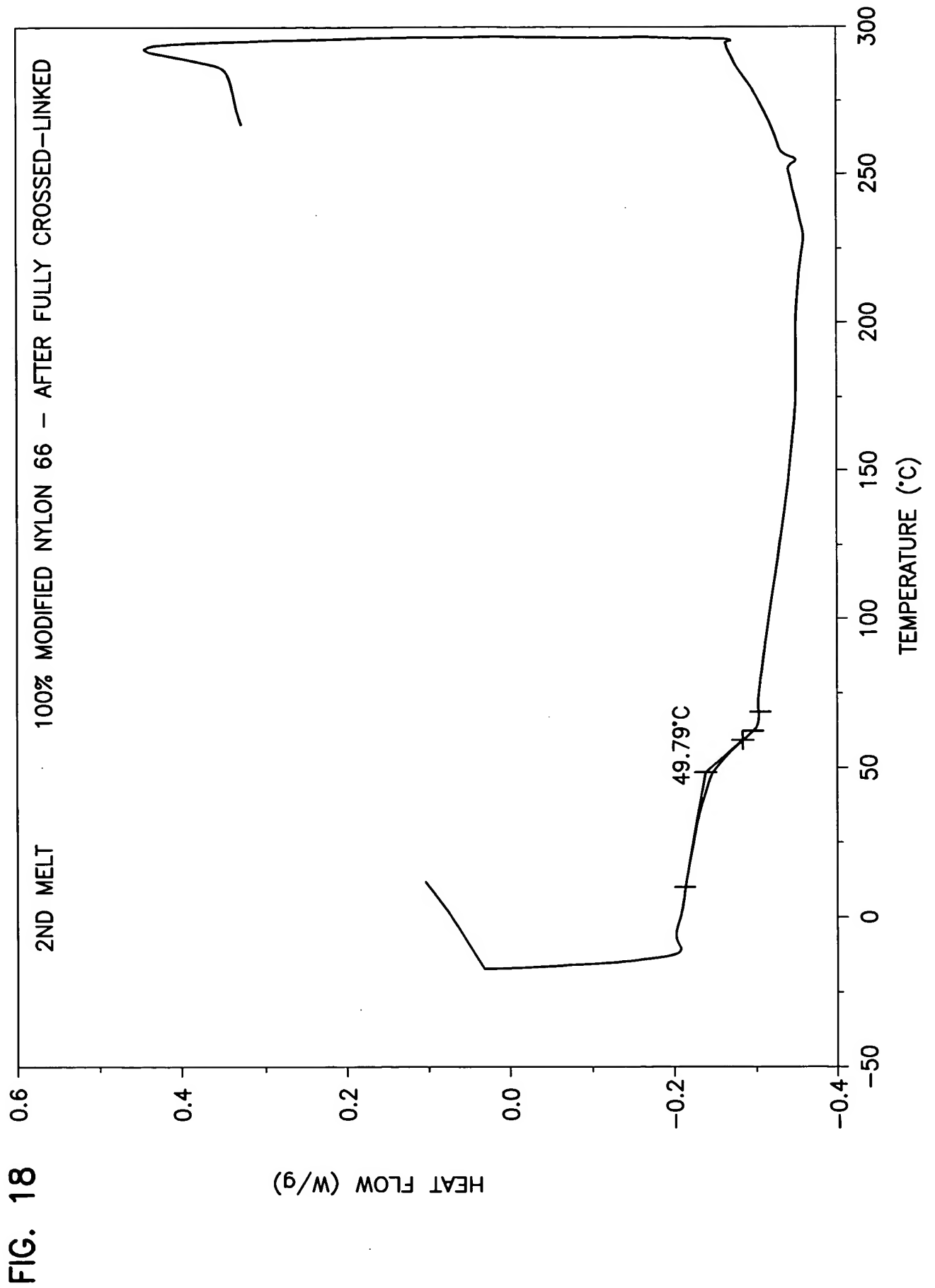


FIG. 19

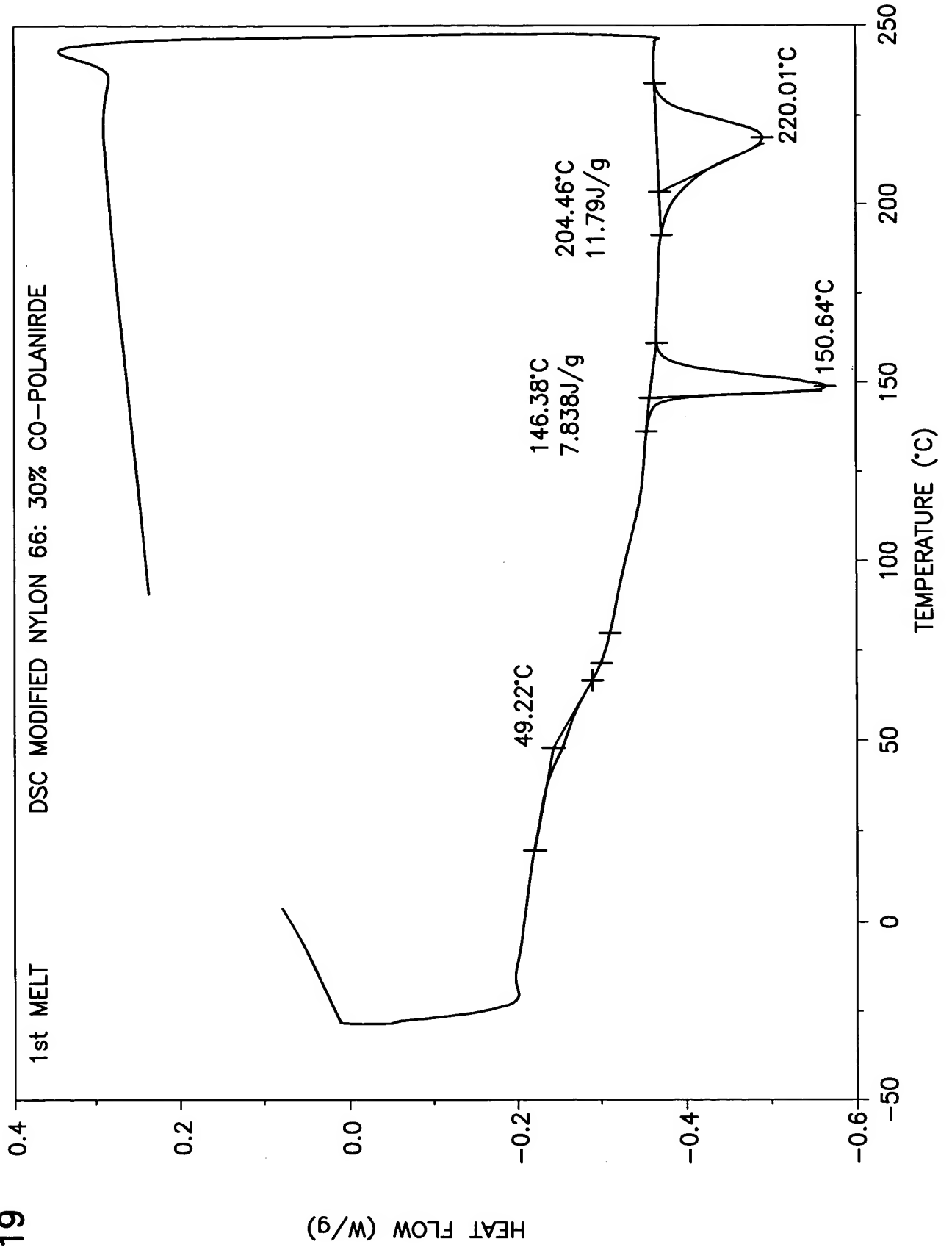


FIG. 20

